

CLAIMS

1. Vibratory warning device intended to be fixed to a structural element (2), such as a seat of a vehicle, comprising vibratory means (3, 4, 5) adapted to create a mechanical vibration under the effect of a control signal, fixation means (7, 8, 9) adapted to make integral the vibratory means (3, 4, 5) and a portion (6) of the structural element, characterized in that the fixation means comprise a resilient element (8) defining a gap (11) provided with an opening adapted to receive the portion (6) of the structural element (2) so as to ensure the fixation of the device by clamping of the resilient element (8) on the portion (6) of the structural element.

2. Warning device according to claim 1 or 2, characterized in that the resilient element (8) is shaped so as have a housing (9) for the portion (6) of the structural element (2) and in that the housing (9) opens into the gap (11).

3. Warning device according to any of the preceding claims, characterized in that the gap (11) is located between the resilient element (8) and the vibratory means (3, 4, 5).

4. Warning device according to claim 3, characterized in that it comprises play compensation means disposed between the resilient element (8) and the vibratory means (3, 4, 5).

5. Warning device according to any of the preceding claims, characterized in that it comprises play compensation means disposed between the resilient element (8) and the portion (6) of the structural element.

5 6. Warning device according to any of the preceding claims, characterized in that the vibratory means (3, 4, 5) are disposed in a casing (7) and in that the resilient element (8) is formed by at least a portion of a wall of said casing (7).

7. Warning device according to any of the preceding claims, characterized in that it
10 comprises support means (10) cooperating with the resilient element (8) so as to limit or prevent the deformation of the latter in the direction of an enlargement of the gap (11).

8. Warning device according to any of claims 6 and 7, characterized in that the support means (10) are removably fitted on the casing (7).

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9. Warning device according to claim 7 or 8, characterized in that the support means (10) apply a pressure on the resilient element (8) in the direction of a narrowing of the gap (11).

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10. Warning device according to any of claims 7 to 9, characterized in that it comprises play compensation means (20, 21) disposed between the resilient element (8) and the support means (10).

11. Warning device according to claim 10, characterized in that the play compensation means comprise a portion (20) in a deformable material added to the resilient element (8) or formed integrally with the material of the latter.

5 12. Warning device according to claim 10 or 11, characterized in that the play compensation means comprise a portion (21) in a deformable material added to the support means (10) or formed integrally with the material of the latter.

10 13. Motor vehicle seat, characterized in that it comprises at least one vibratory warning device (1) according to any of the preceding claim.

14. Seat according to claim 13, comprising a wire grid frame comprising at least one wire (6) characterized in that the fixation means (7, 8, 9) of at least one warning device (1) are made integral with a portion of the wire (6).

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